

Special Issue

Magnetolectric Sensor Systems and Applications

Message from the Guest Editors

Well-established magnetic sensors have several advantages if magnetometers are used either in addition or sometimes instead of electric measurements. The drawbacks of current magnetic sensor technologies are mainly their high cost and their limited robustness against environmental influences. The magnetolectric (ME) sensor principle is relatively new and has the potential to overcome these limitations at a very low cost. This Special Issue will report the latest research on magnetolectric sensor systems and corresponding applications. The bandwidth of contributions can range from advances in material science and improved understanding of the magnetic processes that are involved in magnetolectric layers, low-noise amplification circuits, and specially tailored readout schemes for ME sensors, but also application examples from biomedical or other fields. Topics of interest include but are not limited to the following:

- magnetolectric sensors
- magnetic sensor concepts
- sensor system development
- biomedical applications

Guest Editors

Prof. Dr. Gerhard Schmidt

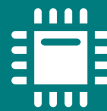
Prof. Dr. Eckhard Quandt

Prof. Dr. Nian X. Sun

Prof. Dr. Andreas Bahr

Deadline for manuscript submissions

closed (11 December 2021)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/66254

Sensors

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)